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Application/Control No.

09/771,121

Examiner

JOHANSSON ET AL.

Reexamination

Applicant(s)/Patent under

Art Unit

Ian N. Moore

2616

Rejected Allowed

(Through numeral) Cancelled

Restricted

Non-Elected N Interference

Appeal Α

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| Claim    |  | Date         |           |          |          |                |  |  |  |              |
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| l _      | <u> </u>   | ٦            | 9         | ω.       | <u>_</u> | 6              |  |  |  |              |
| Final    | Original   | 9/6/05       | 5/16/06   | 90/8/6   | 5/16/07  | 12/18/07       | 1  |  |  |              |
| II.      | ő  | 8            | 2/1       | 6        | 5/1      | 12             |  |  |  |              |
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| <u> </u> | 1<br>2<br>3<br>4<br>5<br>6                                     | 1 1 1        | 7777      | 7777     | 7777     | 1              | <u> </u>   | <u> </u>   |  | _            |
| <u> </u> | 2  | V            | 7         | 7        | ¥        | H              | <u> </u>   | _  |  |              |
| <u> </u> | 3  | N.           | 7         | 7        | 7        | ₩.             |  | <u> </u>   |  |              |
| <u> </u> | 4  | N.           | J         | N.       | V        | ₩              | <u> </u>   |  |  |              |
| -        | 5  | 1            | N<br>J    | 7        | 1        | H              | -  | -  |  | -            |
| <u> </u> | 7  |              |           |          |          | Н              | $\vdash$   | $\vdash$   | _  | $\vdash$     |
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| <b> </b> | 10   | 0            | 0         |          |          | H              |  | _  |  |              |
| <b>—</b> | 11   | Ĭ            | 7         | 0        | 1        | +              | ┢╌   |  |  |              |
|          | 12   | 1            | J         | j        |          | +              | <b>-</b>   | $\vdash$   | $\vdash$   |              |
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|          | 14   | 1            | 1         | J        | V        | H              |  |  |  |              |
|          | 15   | 1            | 0 1 1 1 1 | 1        | 1        | $\dag \dagger$ |  |  | Г  |              |
|          | 11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21 | 1            | 1         |          |          | H              |  |  |  |              |
|          | 17   | 1            | 77        | 7        | 1        | $\top$         |  |  |  |              |
|          | 18   | 1            | 1         | 1        | 1        | H              |  |  |  |              |
|          | 19   | 1            |           |          | 1        | Ħ              |  |  |  |              |
|          | 20   | 1            | 1         | 1        | 1        | Π              |  |  |  |              |
|          | 21   | V            | 1         | 1        | 1        | П              |  |  |  |              |
|          | 22   | 0            | 0         | 0        | 1        | П              |  |  |  |              |
|          | 22<br>23<br>24<br>25<br>26                                     | 1            | 1         | 1        | 1        | V              |  |  |  |              |
|          | 24   |              | 7         | 7        | 1        | V              |  |  |  |              |
|          | 25   |              |           |          |          |                |  |  |  |              |
|          | 26   |              |           |          |          |                |  |  |  |              |
|          | 27   |              |           |          |          |                |  | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{L}}}}$ |  |              |
| ļ        | 28<br>29   |              | _         |          |          |                |  |  |  |              |
|          | 29   |              |           |          |          |                | _  |  |  |              |
|          | 30   |              |           |          |          |                |  |  |  |              |
|          | 31   |              |           |          |          | _              | _  |  | <u>L</u> .                                       |              |
|          | 32   |              |           |          |          |                |  | L  |  | _            |
|          | 33<br>34<br>35   |              |           | Щ        | $\vdash$ | <u> </u>       | _  | <u> </u>   | <u> </u>   | <u> </u>     |
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| <u> </u> | 35   |              | <u> </u>  | H        | $\vdash$ | <u> </u>       | <u> </u>   | <u> </u>   | <u> </u>   |              |
|          | 36   |              |           | H        |          | <u> </u>       | <u> </u>   | <u> </u>   | _  | <u> </u>     |
|          | 37   |              | <u> </u>  | H        | H        | <u> </u>       | $\vdash$   | $\vdash$   | -  | $\vdash$     |
|          | 38   | $\vdash$     | <u> </u>  |          | $\vdash$ | _              | <del>                                     </del> | $\vdash$   | <u> </u>   | $\vdash$     |
|          | 40   | H            | -         |          | $\vdash$ | -              | $\vdash$   | $\vdash$   |  | $\vdash$     |
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|          | 42   | H            | <u> </u>  |          |          | $\vdash$       | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$     |
| -        | 44   | -            | <u> </u>  | H        | -        | $\vdash$       | $\vdash$   |  | <del> </del>                                     | <del> </del> |
| -        | 45   | $\vdash$     |           |          | -        | -              | ├  | <del> </del>   |  | $\vdash$     |
| -        | 46   | H            |           | -        | -        | -              | $\vdash$   | $\vdash$   | $\vdash$   | H            |
| <b>—</b> | 47   | $\vdash$     | $\vdash$  |          | $\vdash$ |                | $\vdash$   | ┢  | <del>                                     </del> | <u> </u>     |
| <u> </u> | 48   |              |           |          | $\vdash$ |                |  | $\vdash$   | $\vdash$   |              |
| <u> </u> | 49   | H            | H         | H        | H        | H              | $\vdash$   | $\vdash$   | Η.   | H            |
| $\vdash$ | 50   |              |           |          | $\vdash$ |                |  | $\vdash$   |  |              |
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| m        | Original |          |  |          |              |          |             |  |             |  |
| Final    | įġ       |          |  |          |              |          |             |  |             |  |
| ╽╙       | ŏ        |          |  |          |              |          |             |  |             |  |
|          |          |          |  |          |              |          |             |  |             |  |
|          | 51       |          |  |          |              |          |             |  |             |  |
|          | 52       |          |  |          |              |          |             |  |             |  |
|          | 53       |          |  |          |              |          |             |  | ,           |  |
|          | 54       |          | $\vdash$   |          |              | $\vdash$ |             | $\vdash$   |             | _  |
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|          | 56       |          |  |          |              |          |             |  |             |  |
|          | 57       |          |  |          |              |          |             |  |             |  |
|          | 58       |          |  |          |              |          |             |  |             |  |
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| $\vdash$ | 61       |          |  |          | _            | _        |             | -  | $\vdash$    | -  |
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|          | 62       | Ш        | $\vdash$   | L.       | Щ.           | Щ.       |             | L  | $\vdash$    |  |
|          | 63       |          |  |          | L            |          |             |  |             |  |
|          | 64       |          |  |          |              |          |             |  |             |  |
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| <u> </u> | 68       |          |  |          |              |          |             | _  |             | _  |
|          | 69       | L        |  | _        |              |          |             |  |             |  |
|          | 70       |          |  |          |              |          |             |  |             |  |
|          | 71<br>72 |          |  |          |              |          |             |  |             |  |
|          | 72       |          |  |          |              |          |             | _  |             |  |
| <b>—</b> | 73       | _        | -  | $\vdash$ | -            |          |             | H  |             | -  |
| <u> </u> | 74       |          |  |          | $\vdash$     | _        |             | _  |             |  |
|          | 74       |          |  |          |              |          | _           | <u> </u>   | _           |  |
|          | 75       |          |  |          |              | L.       |             |  |             |  |
|          | 76       |          |  |          |              |          |             |  |             |  |
| 1        | 77<br>78 |          |  |          |              |          |             |  |             |  |
|          | 78       |          |  |          |              |          |             |  |             |  |
|          | 79       |          |  |          |              |          |             |  |             |  |
|          | 80       |          |  |          |              |          | $\vdash$    | $\vdash$   |             |  |
| $\vdash$ | 81       |          |  |          | _            |          |             | _  |             | $\vdash$   |
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|          | 82       |          |  | <u> </u> |              | L.,      | L           | ļ  |             | _  |
|          | 83       |          | $ldsymbol{ld}}}}}}$ |          |              |          |             |  |             | _  |
|          | 84       |          |  |          | L            | L        | L           | L  |             |  |
|          | 85       |          |  |          |              |          |             |  |             |  |
|          | 86       |          |  |          |              |          |             | _  | $\Gamma$    |  |
|          | 87       |          |  |          |              |          |             |  |             |  |
| <b>—</b> | 88       |          | $\vdash$   | $\vdash$ |              |          | _           | <del>                                     </del> | Ι-          | <del>                                     </del> |
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| $\vdash$ | 89       | <u> </u> | $\vdash$   | $\vdash$ | _            | -        | $\vdash$    | $\vdash$   | $\vdash$    | <u> </u>   |
|          | 90       |          | <u> </u>   | _        |              | L_       |             | L  |             |  |
|          | 91       |          |  |          |              |          |             |  |             |  |
|          | 92       |          |  |          |              |          |             |  |             |  |
|          | 93       |          |  |          |              |          |             |  |             |  |
|          | 94       | Г        |  |          |              |          |             |  |             |  |
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| <b>—</b> |          | $\vdash$ | H  |          | H            | -        | H           | $\vdash$   | $\vdash$    | $\vdash$   |
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| L        | 98       |          | L  | L        |              | L        | L           | L  |             |  |
|          | 99       |          | _  |          |              |          |             |  |             |  |
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| a        | Original   |              |              |          |                |  |           |          |                |          |
| Final    | Ē  |              |              |          |                |  |           |          |                |          |
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|          | 101  | $\vdash$     | _            |          | $\vdash$       |  |           |          |                | H        |
|          | 101  |              | ├            |          | -              | _  | _         | -        |                |          |
|          | 102  |              | _            |          | -              |  |           |          |                | $\vdash$ |
|          | 103  | L            | <u> </u>     |          | _              |  | _         |          |                | Ш        |
|          | 104  | $\vdash$     | _            |          | <u> </u>       |  | _         |          | _              | Н        |
|          | 101<br>102<br>103<br>104<br>105<br>106               | _            | <u> </u>     | _        |                |  |           | _        | _              | Ш        |
|          | 106  |              | _            |          | _              |  |           |          |                | Ш        |
|          | 107  |              | _            |          | _              | _  | _         |          |                | Ш        |
|          | 108<br>109   |              | _            |          | _              | _  | _         |          |                | Ш        |
|          | 109  |              | _            |          |                |  |           |          |                | Щ        |
|          | 110  | _            |              |          | <u>_</u>       |  |           |          |                | Ш        |
|          | 111  | <u> </u>     | <u>L</u>     |          | <u> </u>       | L  |           |          | ļ              |          |
|          | 112  | L            |              |          | _              |  |           |          |                |          |
|          | 111<br>112<br>113                                    |              |              |          |                |  |           |          |                | Ш        |
|          | 114  |              |              |          |                |  |           |          |                |          |
|          | 115  |              |              |          |                |  |           |          |                |          |
|          | 114<br>115<br>116                                    |              |              |          |                |  |           |          |                |          |
|          | 117  |              |              |          |                |  |           |          |                | П        |
|          | 118  |              |              | _        |                |  |           |          |                | П        |
|          | 119  |              |              |          |                |  |           |          |                | П        |
|          | 117<br>118<br>119<br>120<br>121<br>122<br>123<br>124 |              |              |          |                |  | Н         |          |                | Н        |
|          | 121  |              |              | H        |                |  | $\vdash$  |          |                | H        |
|          | 122  | $\vdash$     |              |          |                |  | $\vdash$  | $\vdash$ | $\vdash$       | Н        |
|          | 123  | H            |              |          |                | Н  | $\vdash$  |          | $\vdash$       | Н        |
|          | 124  | $\vdash$     |              |          |                |  | $\vdash$  |          |                | Н        |
|          | 125  | H            |              |          |                | $\vdash$   | ┢         | ┝        | -              | $\vdash$ |
|          | 125<br>126<br>127                                    | -            |              |          | -              | -  | -         |          | $\vdash$       | Н        |
|          | 127  |              |              |          | ┝              | <del>                                     </del> | $\vdash$  |          | $\vdash$       | Н        |
|          | 128  | -            |              |          | -              | -  | -         | -        | ┝              | Н        |
| <u> </u> | 120  | _            |              |          | -              |  | ├-        | H        |                | $\vdash$ |
|          | 128<br>129<br>130<br>131<br>132<br>133<br>134        | $\vdash$     |              |          | $\vdash$       |  | -         | $\vdash$ |                |          |
| -        | 130  | $\vdash$     |              |          | $\vdash$       |  | ├         | -        | <del> </del> - | $\vdash$ |
|          | 131  |              | _            | -        | $\vdash$       |  | $\vdash$  |          | $\vdash$       | Н        |
|          | 132  | -            |              |          | -              |  | _         | H        | <u> </u>       | Н        |
|          | 133  | <u> </u>     |              |          | H              |  | $\vdash$  |          | ⊢              | Н        |
|          | 134  | $\vdash$     | ├—           |          | -              | <u> </u>   | $\vdash$  | $\vdash$ | $\vdash$       | Н        |
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|          | 136<br>137   | H            |              |          | ⊢              | <u> </u>   | ⊢         |          | $\vdash$       | Н        |
|          | 13/  |              |              | ļ        | -              | $\vdash$   | <u> </u>  |          | $\vdash$       | Н        |
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|          | 140  | <u> </u>     | _            | _        | <del> </del> _ |  | $\vdash$  | <u> </u> | <del> </del> — |          |
|          | 141  | <u> </u>     | _            | <u> </u> | <u> </u>       | _  | <u> </u>  | <u> </u> | <u> </u>       | Щ        |
| L        | 142  | <u> </u>     | <u> </u>     | L.       | <u> </u>       | <u> </u>   | _         | _        | <u> </u>       | Щ        |
|          | 143  | <u> </u>     |              |          | <u> </u>       | _  | _         |          | _              | Щ        |
|          | 144  | $oxed{oxed}$ | <u> </u>     |          | <u> </u>       | <u> </u>   | _         |          | <u> </u>       | Ш        |
|          | 145  | _            | oxdot        | $\Box$   | 匚              | oxdot  | L         | $\Box$   |                |          |
| L        | 146  |              | $L^{-}$      | L        | L              | L  | L         |          | L              |          |
|          | 147  | Ĺ            | Ĺ            |          |                |  | L         | Ĺ        | L              |          |
|          | 148  |              |              |          |                |  |           |          |                |          |
|          | 149  |              | Г            | Г        | Γ              | Г  | ·         | Г        |                |          |
|          | 150  | Π            |              | Г        |                | Π  | Π         |          | Г              | П        |
|          |  | Ц            |              | ı        |                |  | <b></b> - | ь—       | <u></u>        | لب       |